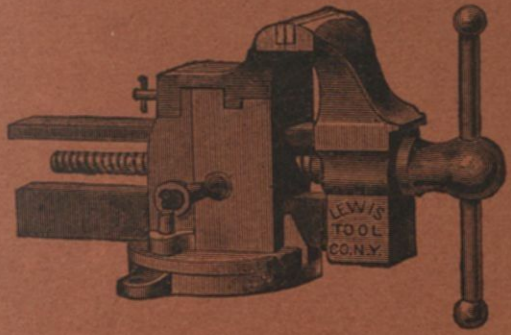
ILLUSTRATED CATALOGUE



Lewis Tool Co.

44 Barclay Street
NEW YORK

ILLUSTRATED CATALOGUE

AND

PRICE LIST

OF

LEWIS' PATENT VISES

AND OTHER TOOLS

MANUFACTURED BY

LEWIS TOOL COMPANY

44 BARCLAY STREET

NEW YORK

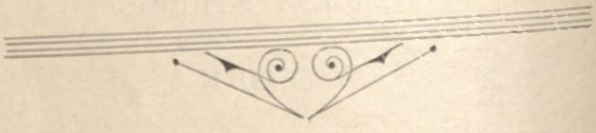
1896

TERMS

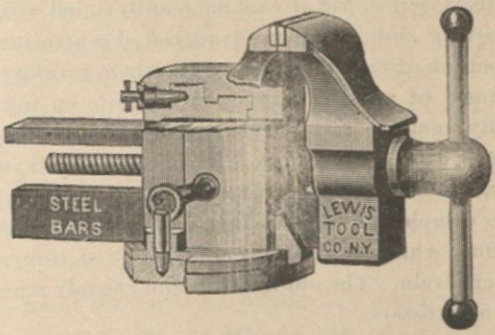
All bills at 30 days net cash from date of invoice.

All shipments F. O. B. Bridgeport, Conn.

No charge for Package or Cartage.



Lewis' Patent Vises.



With a large experience in the manufacture of Vises, and after thorough tests of this plan, by their use in large establishments, we place our Patent Double Steel Slide Bar Vises on the market, knowing that they possess many improvements which overcome acknowledged defects of the Vises now in general use.

As may be seen in above cut, the slides are two flat bars; the upper bar is mounted above the screw with flat surface horizontal, while the other bar is below, with flat surface in perpendicular position to the screw, by which arrangement we secure a perfect resistance for the jaw, against both sidewise and downward strains, and at the same time gives it

sufficient elasticity to stand shock of chipping and riveting, an advantage which we claim over other parallel vises. The position of upper bar thoroughly protects screw, yet it can be readily oiled without removing slide. The nut is placed at centre instead of bottom of vise, thus adding greatly to pressure and firmness of grip. The winged supports on nut rest firmly against body of vise. The nut fits loose in rear end of socket, thus allowing it to LINE WITH SCREW, which prevents it from cutting and the rapid wear complained of in vises having nut dovetailed in bottom, which is liable to spring out of line when under strain. The nut is easily and cheaply renewed when necessary.

We make both SOLID JAW VISES and ADJUSTABLE JAW VISES, and with STATIONARY or SWIVEL BOTTOM, as may be desired.

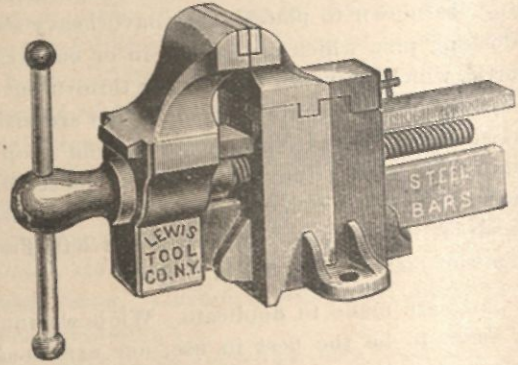
The improvement in construction of the ADJUSTABLE JAW will be appreciated at a glance. The hub and supports are made extra strong. The locking pin is placed at back of jaw, giving sufficient purchase to hold firmly with small strain on pin. The position of pin is entirely out of way, and prevents dirt from entering the hole. Loss of pin is impossible, as it is simply drawn back to shoulder, and not removed when out of lock. Only part of turn is required, after pin is pressed forward, to fasten it and the jaw firmly in place. The same movement reversed, unlocks, and allows jaw to adjust.

Our New Patent Swivel Bottom is made with a heavy hub, which is part of the body of the vise, and which passes through bottom plate and takes most of the strain, the bottom set-screw and washer merely holding vise down to plate. They have heavy steel side-locking pins which are moved in or out by an eccentric, which prevents their being thrown out of lock by any possible strain on the vise, but are easily adjusted when desired, and do not depend upon a spring. This makes the strongest and most convenient Swivel Bottom yet devised. All our Vises are made of the best material, and are strictly first-class in workmanship and finish.

All parts are made to duplicate. While we know these Vises to be the best in use, our experience teaches us that we cannot recommend a light Vise to do heavy work; we therefore request our patrons to order Vises of suitable size for the demand made upon them, and thus insure permanent durability and satisfaction.

LEWIS' PATENT VISES

For Machinists and Iron Workers generally.



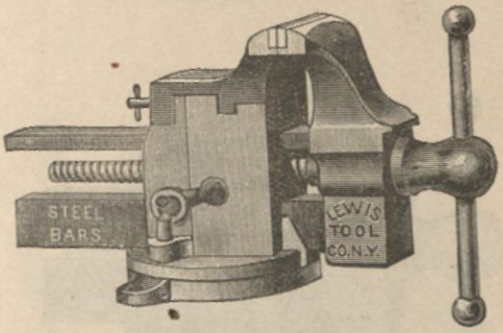
Lew s' Patent Self-Adjusting Jaw Machinists' Stationary Bottom Vises.

No.	Width Jaw.	Opens.	Weight.	List Price.
3	2½ in.	3½ in.	18 lbs.	$5.50
5	3 "	4 "	25 "	6.25
7	3½ "	5 "	33 "	7.00
9	4 "	6 "	54 "	9.00
11	4½ "	7 "	70 "	10.50
13	5 "	8 "	105 "	16.00
15	5½ "	9 "	125 "	18.00
17	6½ "	10 "	165 "	24.00
19	7½ "	12 "	198 "	30.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT VISES

For Railroad Shops, Machinists, and all Iron Manufacturers.

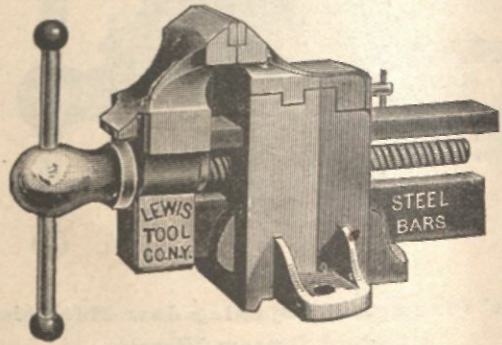


Lewis' Patent Self-Adjusting Jaw Machinists' Swivel Bottom Vises.

No.	Width Jaw.	Opens.	Weight.	List Price.
4	2½ in.	4½ in.	22 lbs.	$6.75
6	3 "	4 "	29 "	7.50
8	3½ "	5 "	38 "	8.50
10	4 "	6 "	60 "	10.50
12	4½ "	7 "	78 "	12.50
14	5 "	8 "	120 "	18.00
16	5½ "	9 "	142 "	21.00
18	6½ "	10 "	185 "	27.00
20	7½ "	12 "	222 "	35.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT SELF-ADJUSTING JAW FILERS' VISE.

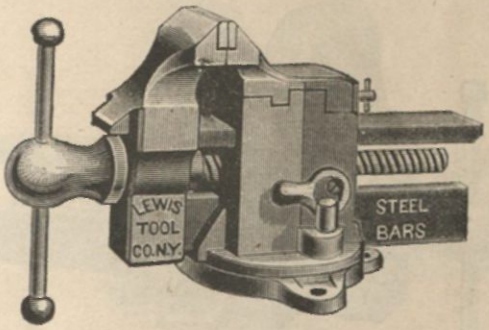


Stationary Bottom.

No.	Width Jaw.	Opens.	Weight.	List Price.
23	4 in.	6 in.	54 lbs.	$9.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT SELF-ADJUSTING JAW FILERS' VISE.



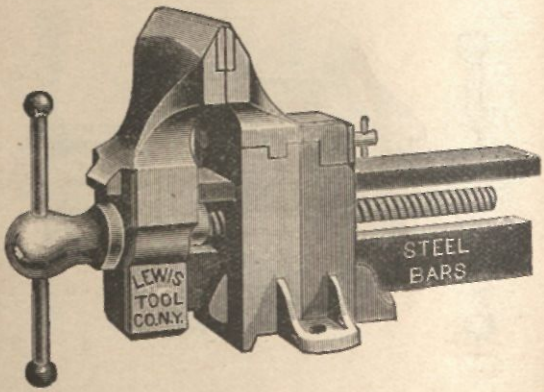
Patent Swivel Bottom.

No.	Width Jaw.	Opening.	Weight.	List Price.
24	4 in.	6 in.	60 lbs.	$10.50

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT SELF-ADJUSTING JAW

WOOD WORKERS' VISE.

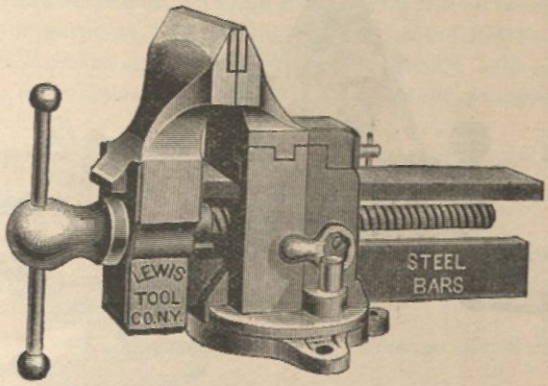


Stationary Bottom.

No.	Width Jaw.	Opening.	Weight	List Price.
25	4¼ in.	9 in.	57 lbs.	$9.50.

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT ADJUSTABLE JAW WOOD WORKERS' VISE.

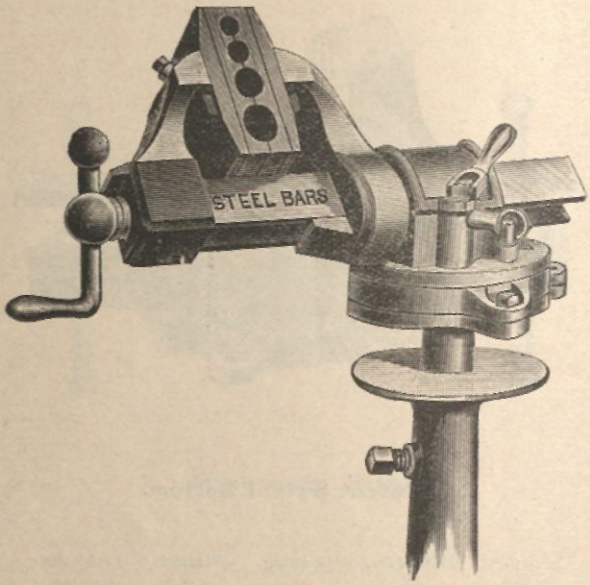


Patent Swivel Bottom.

No.	Width Jaw.	Opening.	Weight.	List Price.
26	4¼ in.	9 in.	62 lbs.	$11.00.

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS TOOL CO.'S
PATENT BICYCLE VISE.
With Clamp and Adjustable Post.



No.		Weight.	List Price
110	Width of Jaws, 4 in., Open 5½ in.	56 lbs.	$12.00
111	Wood Faced, Malleable Iron Clamp.....		1.50
113	Adjustable Iron Post.....		6.00

LEWIS TOOL CO.'S PATENT BICYCLE VISE.

With Clamp and Adjustable Post.

This vise is made especially for holding Bicycle frames, and is equally good as an assembling vise for Sewing Machines, Gun and Pistol work, and for many other purposes. It has our Patent Swivel Bottom. The jaws are made to revolve, and be firmly held at any desired position. The slide bars are of wrought steel.

In making this vise, we have consulted the wishes of the people who use this kind of tool, and we believe it is the best on the market.

They are furnished with balance crank to move jaws quickly, as shown in cut, or with the usual lever, as ordered.

The clamp is firmly held on vise jaws, as shown in above cut.

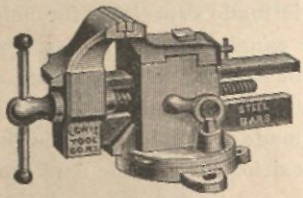
The grooves in wood part of clamp are made $\frac{5}{8}$, $\frac{3}{4}$, 1 inch, and $1\frac{1}{8}$ inch in diameter, but they can be bored to any required size, and as the woods are screwed on, they can be easily renewed.

The iron post for holding vise is made adjustable to any required height to suit workman, from 30 to 38 inches.

These posts can be furnished to fit any Lewis Tool Co.'s Vise, from $3\frac{1}{2}$ to $4\frac{1}{2}$ inch jaw.

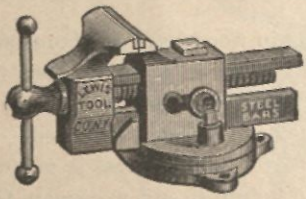
These vises are sold with or without clamp or post.

LEWIS' PATENT JEWELERS' ADJUSTABLE JAW AND SWIVEL BOTTOM VISES.



No.	Width Jaw.	Opening.	Weight.	List Price.
1	1¾ in.	1¾ in.	2¾ lbs.	$4.25
1½	Same as above, nickel plated.....			6.25
2	2 in.	2 in.	3¾ lbs.	4.50
2½	Same as above, nickel plated.....			6.50

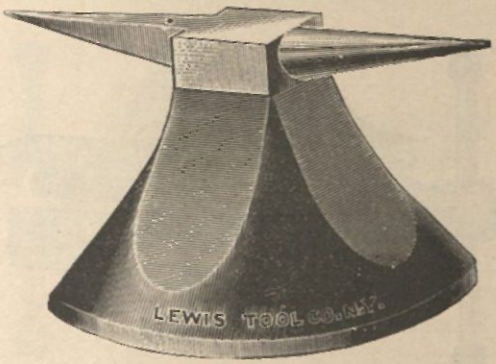
LEWIS' PATENT JEWELERS' SOLID JAW SWIVEL BOTTOM VISES.



No.	Width Jaw.	Opening.	Weight.	List Price.
30	2 in.	2 in.	3 lbs.	$3.50
30½	Same as above, nickel plated			5.50

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS TOOL CO.'S JEWELERS' TABLE ANVILS.



No. 100, Painted Base, Anvil Polished, each, 70 cents.
No. 102, Same, fully Nickel-plated, " 95 "

These Anvils are made of the best quality of Cast Steel, and are handsomely finished in every respect. The Bases are made low, and weighted at bottom to make them stand firmly on table.

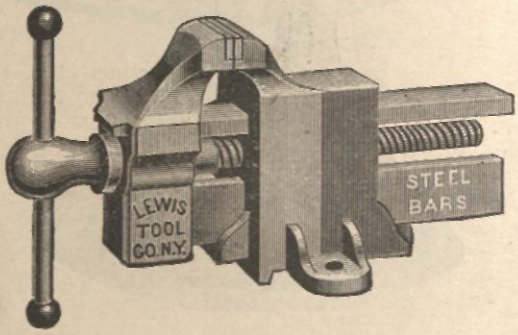
Weight, 1¼ pounds. Height, 2 inches.

Each Anvil is neatly boxed.

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT VISES

For all Iron Workers.



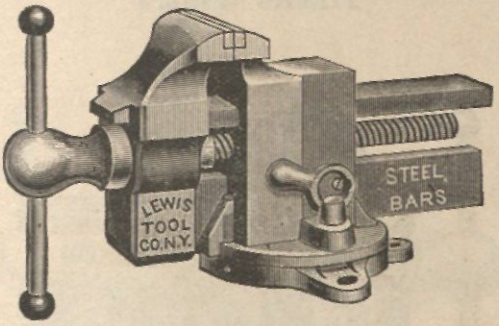
Solid Jaw Flat Bottom Vises.

No.	Width Jaw.	Opens.	Weight.	List Price.
35	3 in.	4 in.	22 lbs.	$5.50
37	3½ "	5 "	28 "	6.25
39	4 "	6 "	46 "	8.00
41	4½ "	7 "	64 "	9.50
43	5 "	8 "	87 "	12.75
45	5½ "	9 "	105 "	17.50
47	6½ "	10 "	135 "	23.00
49	7½ "	12 "	183 "	28.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT VISES

For all Iron Workers.



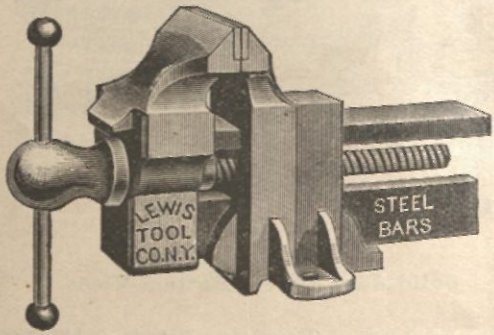
Solid Jaw Swivel Bottom Vises.

No.	Width Jaw.	Opens.	Weight.	List Price.
34	3 in.	4 in.	25 lbs.	$7.00
36	3½ "	5 "	32 "	7.75
38	4 "	6 "	51 "	9.75
40	4½ "	7 "	68 "	11.50
42	5 "	8 "	98 "	15.50
44	5½ "	9 "	115 "	20.50
46	6½ "	10 "	148 "	27.00
48	7½ "	12 "	200 "	32.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT SOLID JAW

FILERS' VISE.



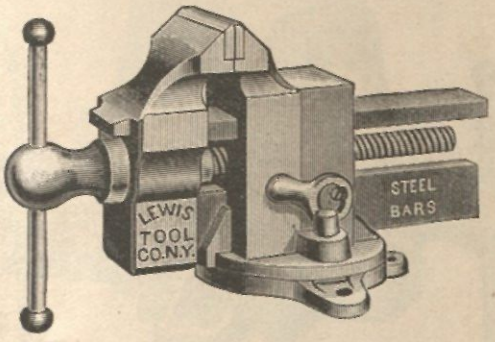
Stationary Bottom.

No.	Width Jaw.	Opens.	Weight.	List Price.
53	4 in.	6 in.	48 lbs.	$8.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT SOLID JAW

FILERS' VISE.



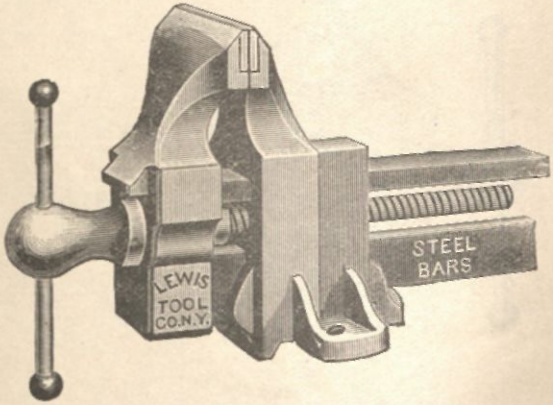
Patent Swivel Bottom.

No.	Width Jaw.	Opens.	Weight.	List Price.
54	4 in.	6 in.	54 lbs.	$9.50

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT

SOLID JAW WOOD WORKERS' VISE.



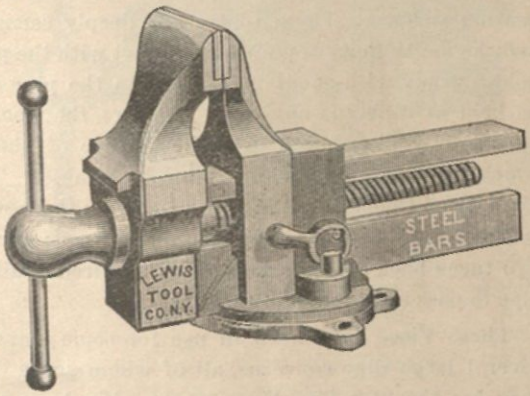
Stationary Bottom.

No.	Width Jaw.	Opening.	Weight.	List Price.
55	4¼ in.	9 in.	52 lbs.	$8.50

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT

SOLID JAW WOOD WORKERS' VISE.



Patent Swivel Bottom.

No.	Width Jaw.	Opening.	Weight.	List Price.
56	4¼ in.	9 in.	58 lbs.	$10.00

In ordering, use Catalogue numbers. No other description is necessary.

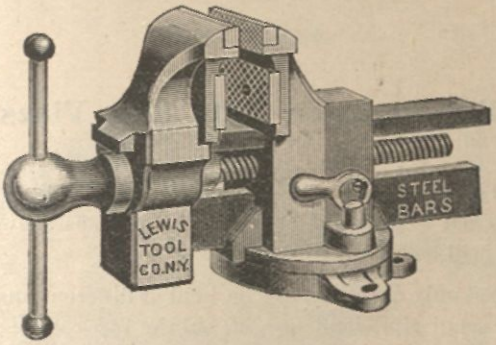
Patent Combination Pipe Vises.

Our new Patent Combination Pipe Vises have heavy steel plates filling throat of Vise, and extending almost the entire width of upper jaws, giving large bearing surface. These plates are deeply serrated and the multiplicity of points in contact with the pipe hold it firmly with small pressure. As the pipe can be held at different angles in the jaws, the wear is very evenly distributed over the surface of plates, which are reversible and interchangeable. The capacity of this Vise is much greater than those with concave jaws, and the pipe is readily freed; one or two turns back of lever only being required to allow pipe to pass up through jaws.

These Vises have been in use for some years by several large pipe concerns, all of whom agree that they are the best Pipe Vises in use. We have now applied our new Double Steel Slide Bars to these vises, as they are especially adapted to pipe work. We are also using our Patent Swivel Bottoms on them, as we believe the pipe man as well as the machinist wants a strong and convenient Swivel, and we are sure they will be appreciated by the trade.

These Vises hold Brass Pipe well.

LEWIS' PATENT SWIVEL BOTTOM COMBINATION PIPE VISES.



No.	Width Jaw.	Holds Pipe.	Weight.	List Price.
60	3½ in.	2 in. or under.	38 lbs.	$10.50
62	4¼ "	3½ " "	60 "	15.00
64	5 "	5 " "	105 "	20.00
66	8 "	8 " "	200 "	35.00

NEW YORK, Sept. 19, 1894.

LEWIS TOOL COMPANY,
44 Barclay St., New York City.

Gentlemen :—We have used the Combination Pipe Vises with flat, deeply serrated plates for over a year. We find that they hold pipe much more firmly, and with less pressure than any vise we have used. The plates show little signs of wear, and hold pipe as well as ever.

Respectfully yours,
JAS. R. HEPBURN.
Supt. John Simmon & Co.

Patent Open Side Pipe Vises.

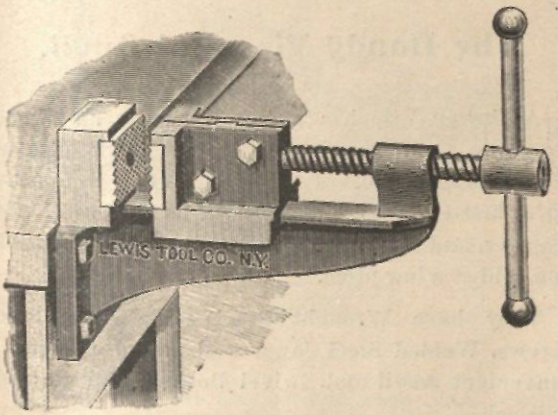
The convenience of these Vises, especially when fastened to front of bench, or on post, as shown in cut, will be readily seen.

Not only can the pipe be held at different angles, and small pipes held upright, but the Vise can be used to hold other work when desired, thus avoiding the necessity of having another vise for occasional work.

These Vises can be set on top of bench in usual manner, but are more convenient when fastened as shown in cut. They are made entirely of Steel, Malleable and Wrought Iron, and are well finished.

For further description, see Combination Pipe Vises, on page 18.

LEWIS TOOL CO.'S PATENT OPEN SIDE PIPE VISES.



No.	Width Jaw.	Holds Pipe.	Weight.	List Price.
70	3½ in	2½ in. or under.	18 lbs.	$6.50
71	4¼ "	3½ " "	30 "	8.50
72	5 "	6 " "	60 "	13.00

In ordering, use Catalogue numbers. No other description is necessary.

The Handy Vise and Anvil.

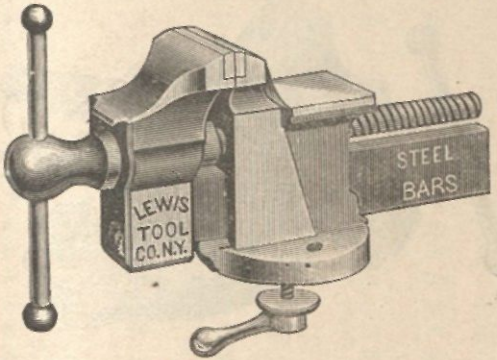
A CHEAP Vise has generally meant an almost worthless tool. In making the "Handy" Vise we have combined most of the qualities that go to make up a first-class Vise and Anvil, with several new features, and in such a manner that they can be made and sold at a low price.

They have Wrought Steel Slide Bars, Steel Screws, Welded Steel Jaws, well milled and cut, a convenient Anvil and Swivel Bottom, and are well finished.

We believe they are altogether the best Vises yet devised for general use.

LEWIS TOOL CO.'S "HANDY VISES"

With Anvil and Swivel Base.

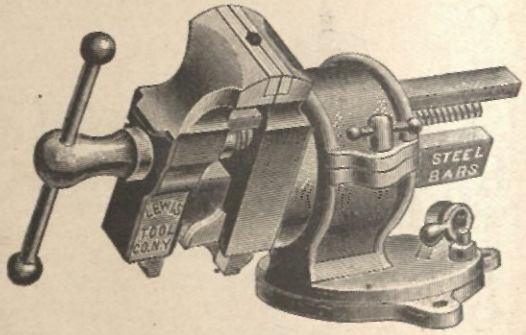


These Vises are sold only in cases. Not less than three of one size in a case.

No.	Width Jaw.	Opens.	Weight.	List Price.
94	2½ in.	3 in.	11 lbs.	$2.50
95	3⅛ "	4 "	18 "	3.50
96	4¼ "	6 "	30 "	5.00

In ordering, use Catalogue numbers. No other description is necessary.

LEWIS' PATENT DOUBLE SWIVEL GLASS MOULD MAKERS' AND DIE SINKERS' VISES.



No.	Width Jaw.	Opens.	Weight.	List Price.
84	4¼ in.	7 in.	80 lbs.	$14.00
86	4¾ "	10 "	105 "	18.00

To overcome the complaint that there are no Glass Mould Makers' and Die Sinkers' Vises that will stand the work required of them, we have made the Double Swivel Vises, shown above.

They are extra strong, have several new conveniences and long opening. They will stand any reasonable strain and were made under the direction of one of the best mould makers in the country.

These are also very convenient Vises for Tool and Pattern Makers of all kinds.

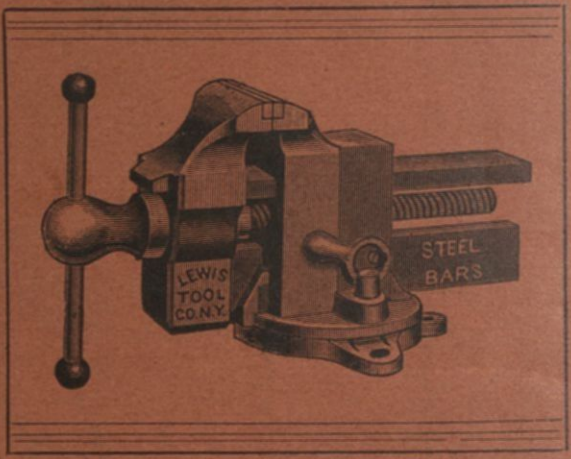
PRICE LIST

EXTRA PARTS.

No. Vise.	Body.	Front Jaw.	Back Jaw.	Screw & Lever.	Nut.	Base
3 & 4	1 25	1 25	1 25	1 25	35	1 25
5 & 6	1 50	1 50	1 50	1 25	40	1 25
7 & 8	1 75	1 75	1 75	1 25	50	1 25
9 & 10	2 75	2 75	2 00	1 50	60	1 50
11 & 12	3 25	3 25	2 25	1 75	75	1 75
13 & 14	5 00	5 00	3 00	2 00	90	2 00
15 & 16	5 75	5 75	3 75	2 50	1 00	2 50
17 & 18	7 50	7 50	6 00	3 50	1 25	4 50
19 & 20	11 00	11 00	6 50	3 50	1 50	5 50
23 & 24	2 50	2 50	2 00	1 50	60	1 50
25 & 26	3 00	3 00	2 00	1 50	60	1 50
34 & 35	2 50	2 25	.....	1 25	40	1 50
36 & 37	3 00	2 75	.....	1 25	50	1 50
38 & 39	3 50	3 25	.....	1 50	60	1 75
40 & 41	4 00	3 75	.....	1 75	75	2 00
42 & 43	5 75	5 25	.....	1 75	1 00	2 75
44 & 45	8 00	7 25	.....	2 00	1 00	3 00
46 & 47	10 00	9 00	.....	3 00	1 50	4 50
48 & 49	12 50	11 00	.....	3 50	2 00	5 50
53 & 54	3 50	3 25	.....	1 50	60	2 00
55 & 56	4 00	3 50	.....	1 50	60	2 00
84	6 50	4 00	.....	1 75	60	2 00
86	8 50	4 75	.....	2 50	75	2 50

PRICE, EXTRA PARTS COMBINATION PIPE VISES.

No. Vise.	Body.	Front Jaw.	Swivel Base	Screw & Lever.	Nut.	Plates. Each.
60	3 50	3 50	1 50	1 25	60	1 50
62	5 00	4 75	2 00	1 50	75	2 50
64	6 25	6 25	2 75	1 75	1 00	3 25
66	12 00	12 00	4 25	3 50	1 50	4 00


LEWIS
TOOL
CO.N.Y.
STEEL
BARS